MACROECONOMICS FOR WARTIME UKRAINE

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RUSSIAN AGGRESSION

The scale of destruction and atrocities not seen in Europe since World War II



Bucha, a suburb of Kyiv (sources: New York Times and Kyiv Independent)



(source: New York Times)





Russia occupied 125 000 km2 of Ukraine's territory. This is 23% of France

Just remember this when you offer Ukraine to surrender



Hungary

Russia occupied 125 000 km2 of Ukraine's territory. This is 34% more than Hungary

Just remember this when you offer Ukraine to surrender

(source: VoxUkraine)

Germany

Russia occupied 125 000 km2 of Ukraine's territory. This is 35% of Germany

Just remember this when you offer Ukraine to surrender

RUSSIAN AGGRESSION

Ukraine's GDP falls by 30-50% in 2022 Unemployment at 35% Inflation is close to 30% Millions of Ukrainians are refugees in other countries



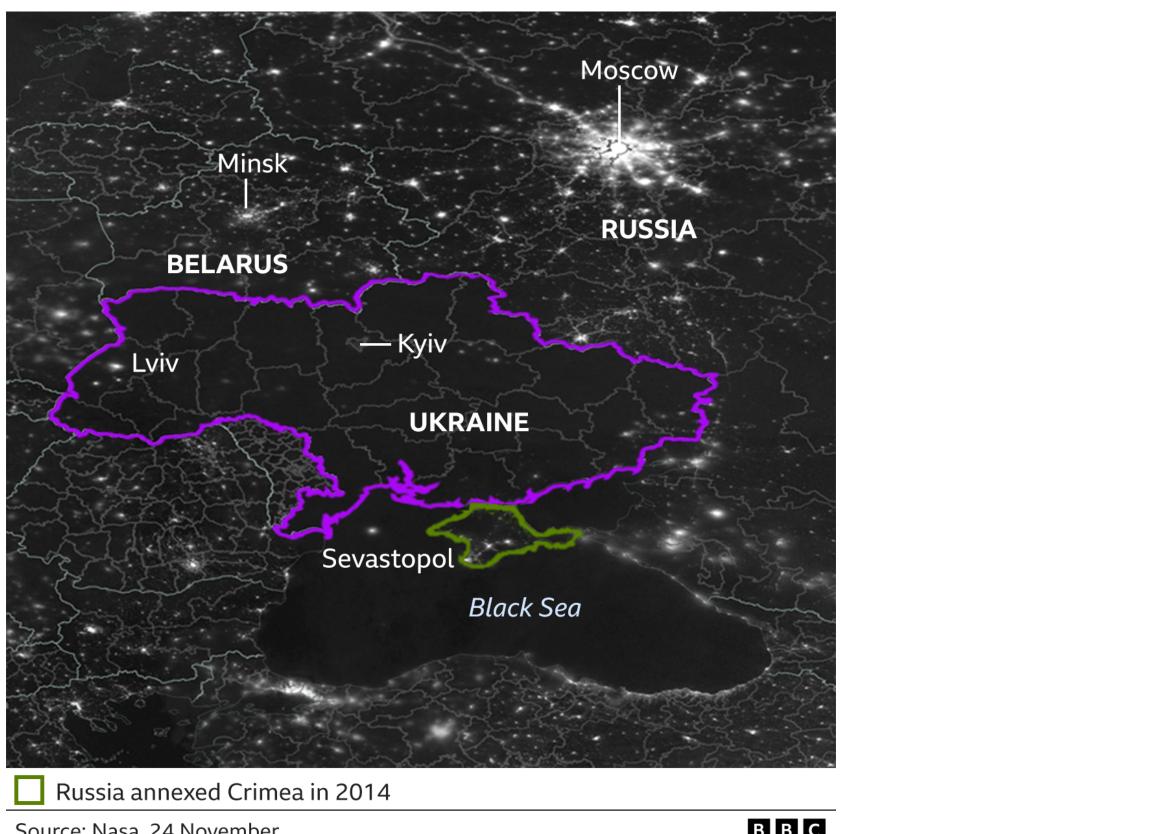
(source: AP)



THREE IMMEDIATE CHALLENGES FOR MACROECONOMY

- Energy
- Fiscal deficits
- External imbalance

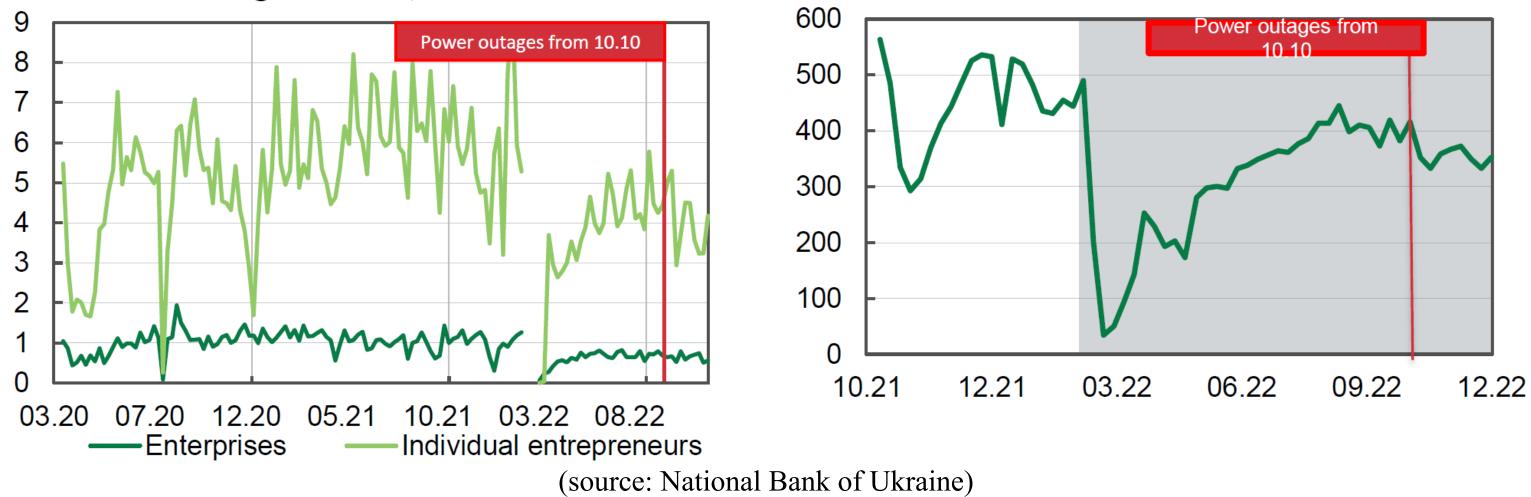
NIGHT LIGHT INTENSITY





Source: Nasa, 24 November

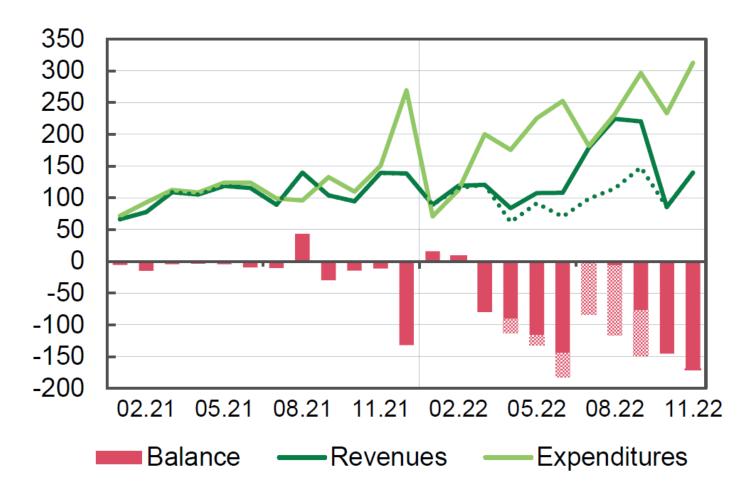




New business registrations, thousands

Number of UZ tickets sold per week, thousands

FISCAL POLICY

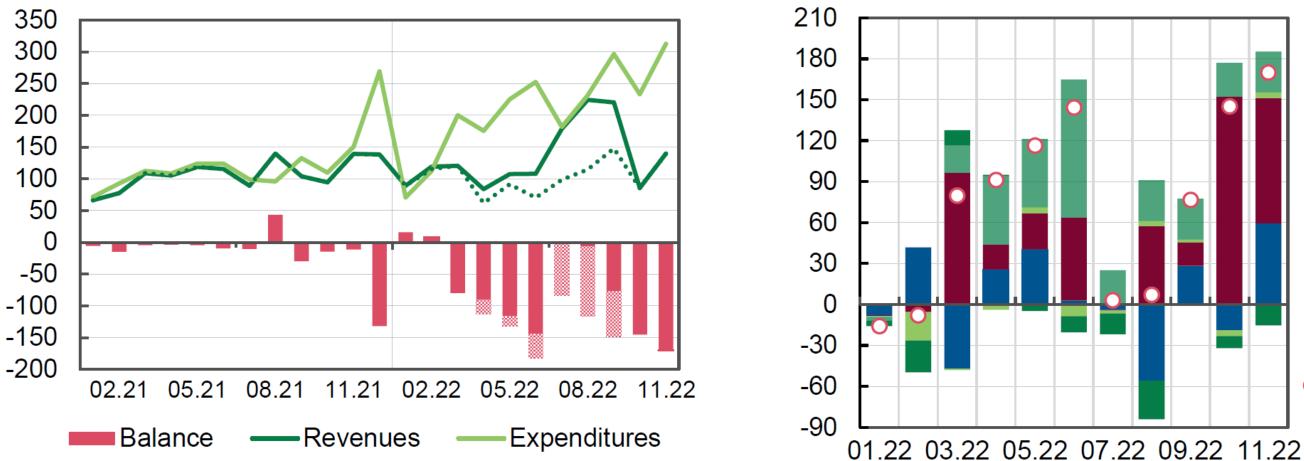


Main State budget indicators*, UAH bn

* Dotted and patterned fillings show relevant indicators excluding grants. ** Debt transactions are net borrowings. November – preliminary and high-frequency data from the MFU website. NBU calculations based on the MoF's website information. Source: Treasury, MoF, NBU staff estimates

Huge fiscal deficit: \sim \$3-5 bn per month

FISCAL POLICY



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Cover fiscal needs: 1/3 taxes, 1/3 external aid, 1/3 seigniorage (printing money)

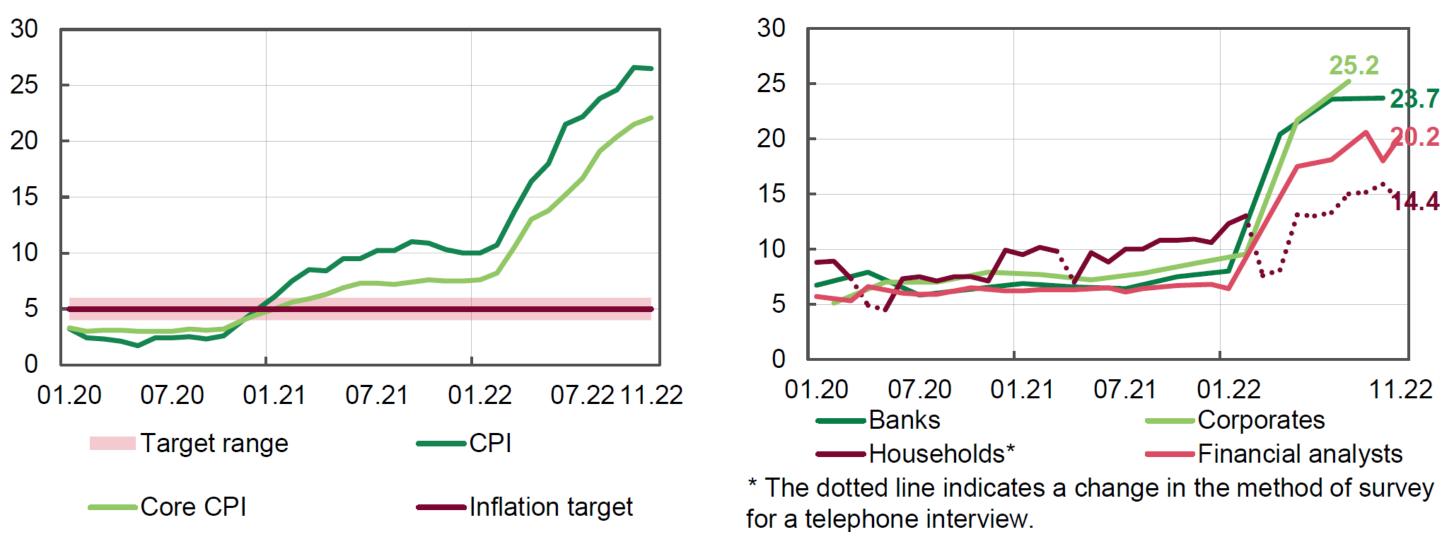
Main State budget indicators*, UAH bn

State budget balance financing**, UAH bn

- UAH gov't bonds & bills
- NBU gov't bonds & bills
- FX gov't bonds & bills (eq. in UAH)
- External borrowings (eq. in UAH) Other (gov`t
- deposits)
- ODeficit ("-" surplus)

INFLATION

Inflation and inflation target, % yoy

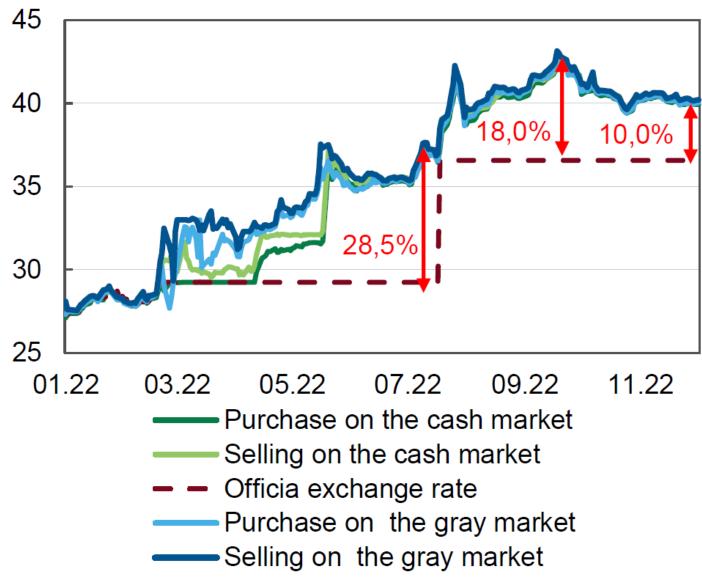


Fiscal dominance \Rightarrow Printing money \Rightarrow Inflation \uparrow

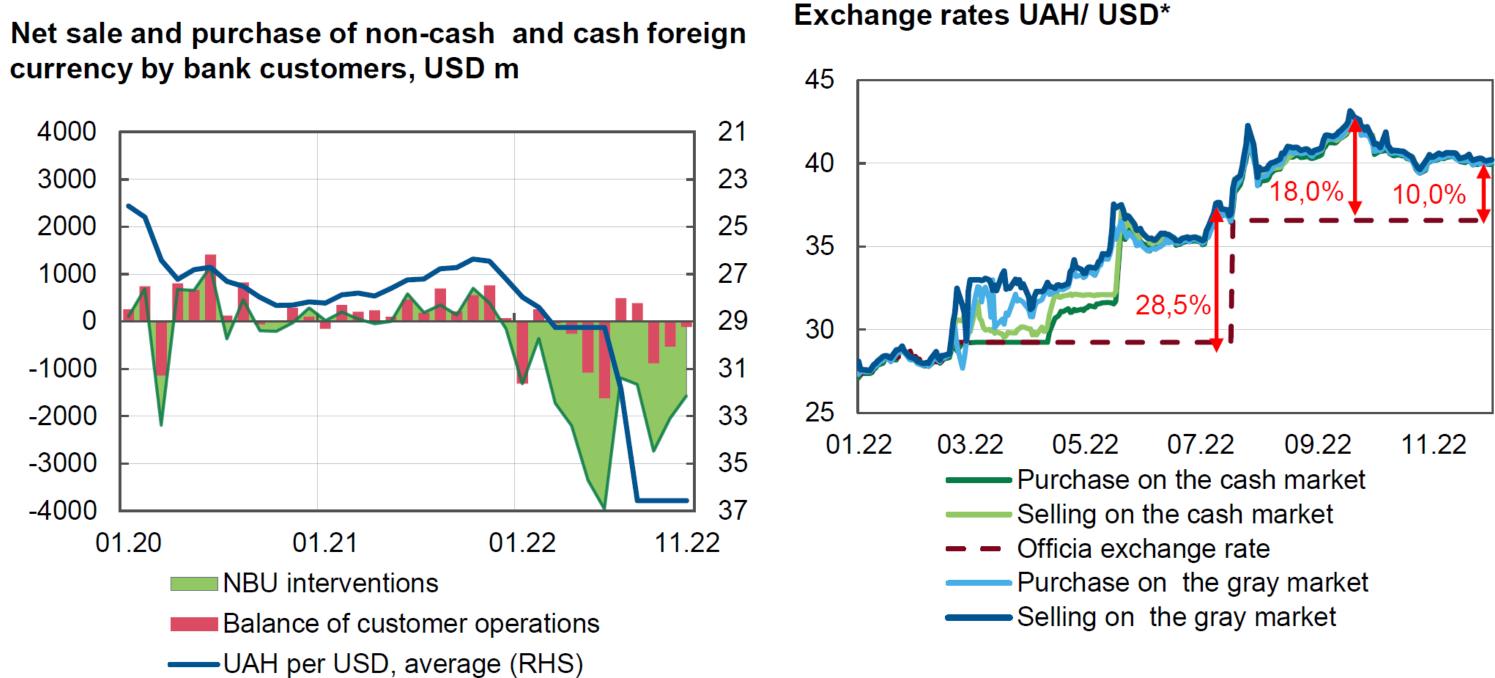
Inflation expectations for the next 12 months,%

MONETARY POLICY

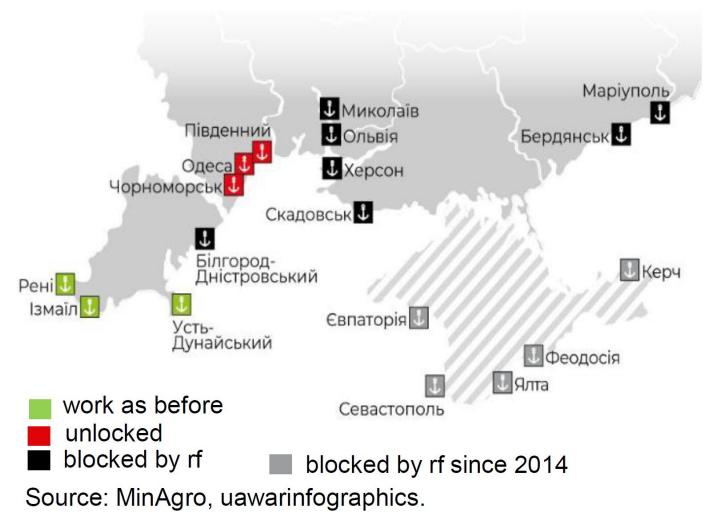
Exchange rates UAH/ USD*



MONETARY POLICY

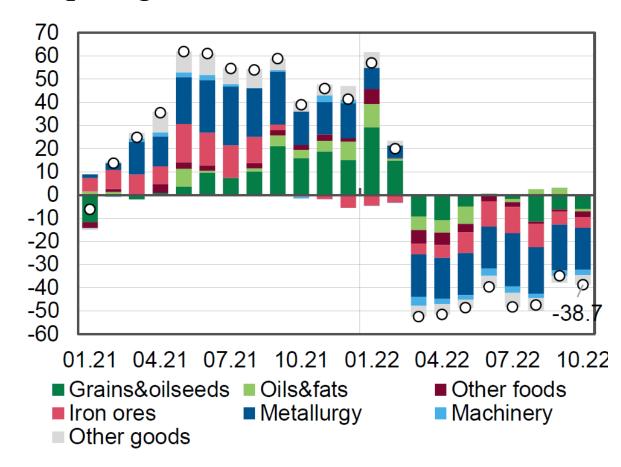


• Fundamental problem: Ukraine can't physically export its main products



Status of Ukrainian ports

• Fundamental problem: Ukraine can't physically export its main products



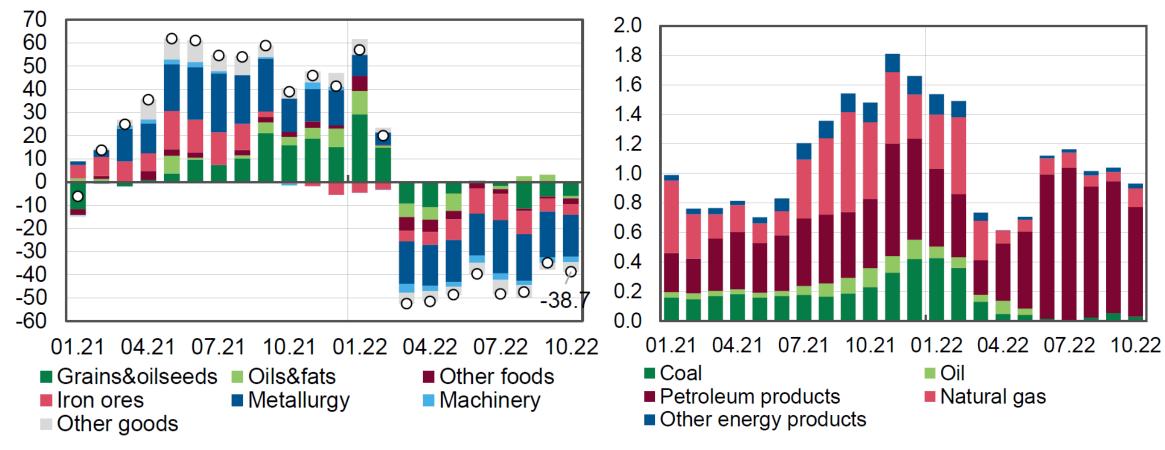
Export growth

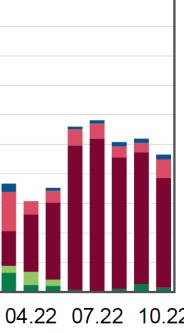
Fundamental problem: Ukraine can't physically export its main products Ο

and has to import to sustain the war effort

Export growth

Energy import

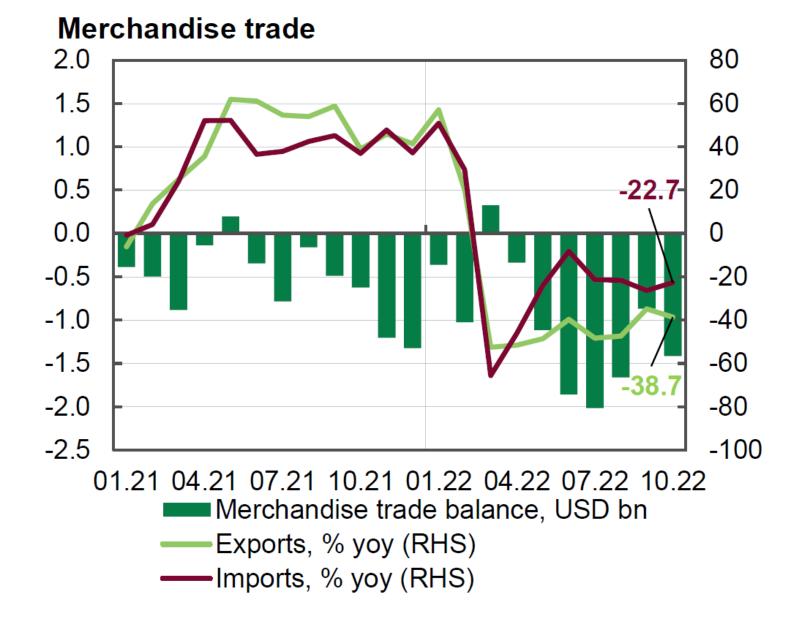




Natural gas

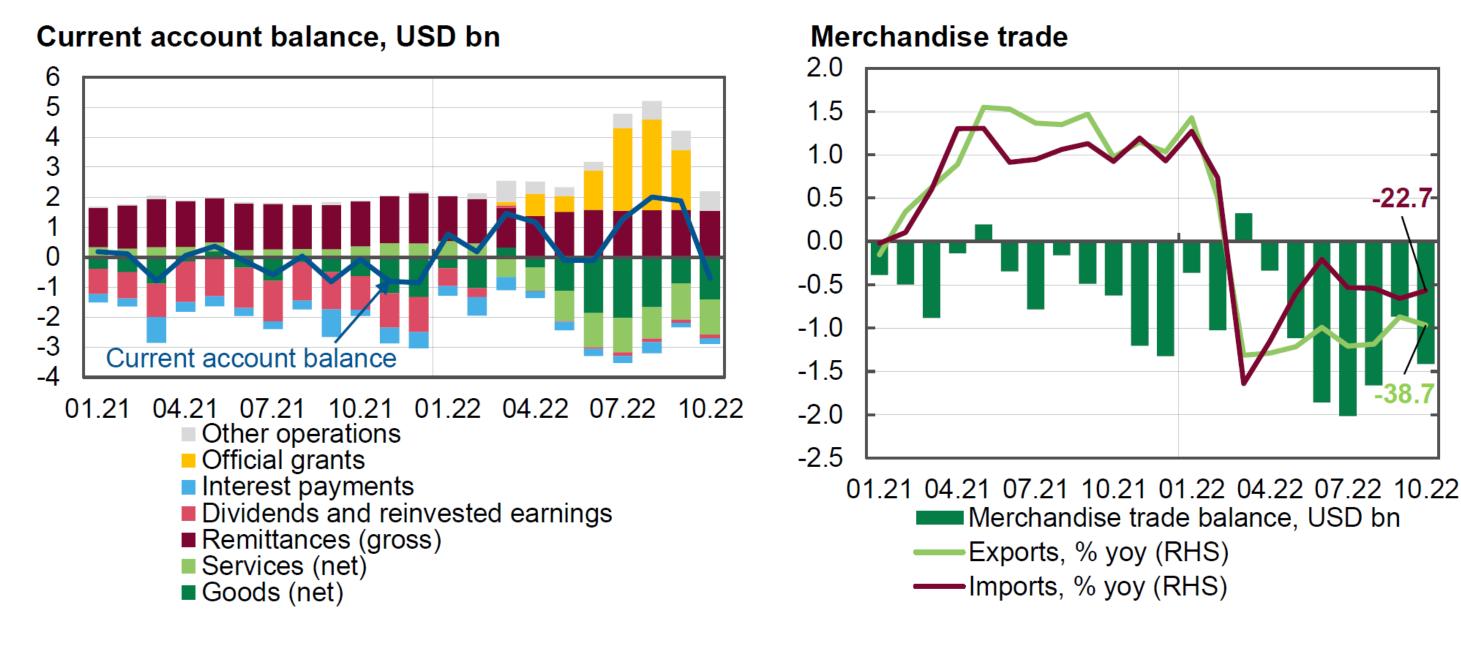
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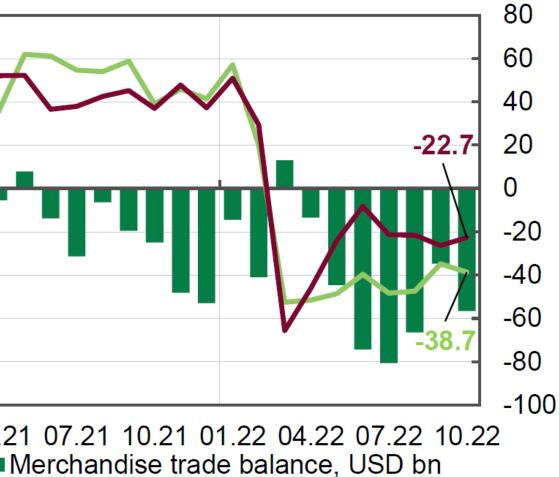
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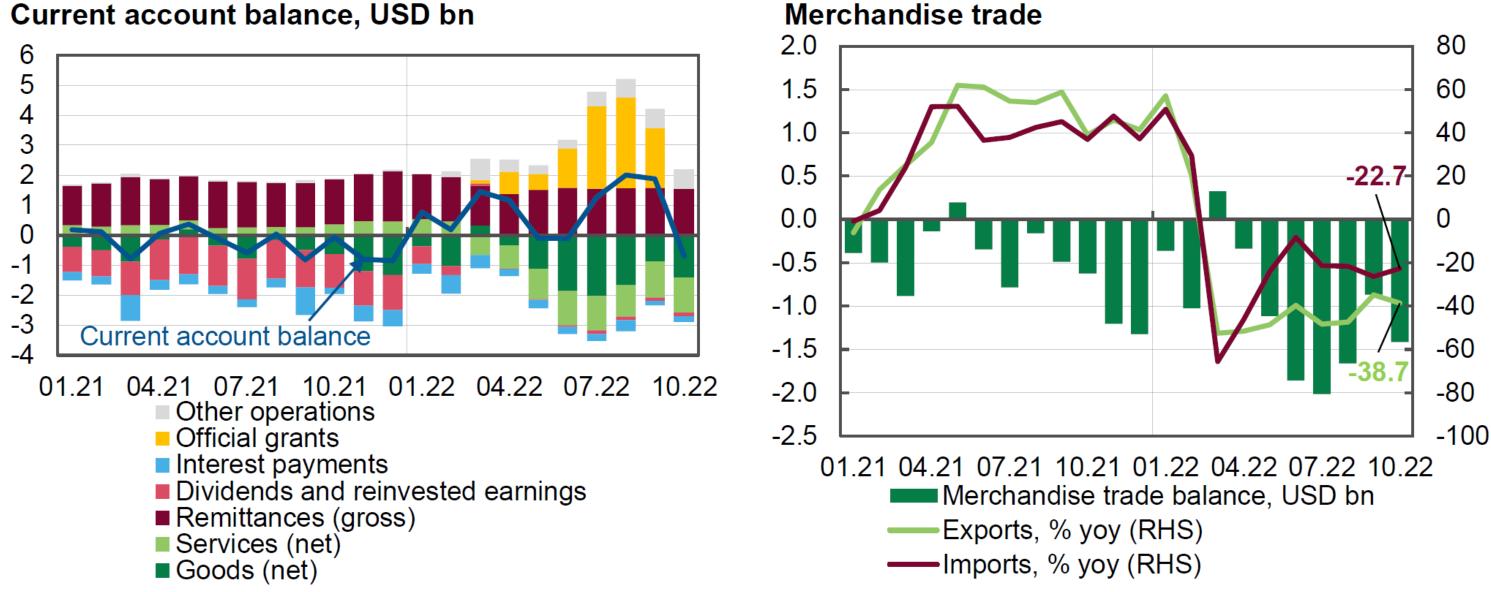
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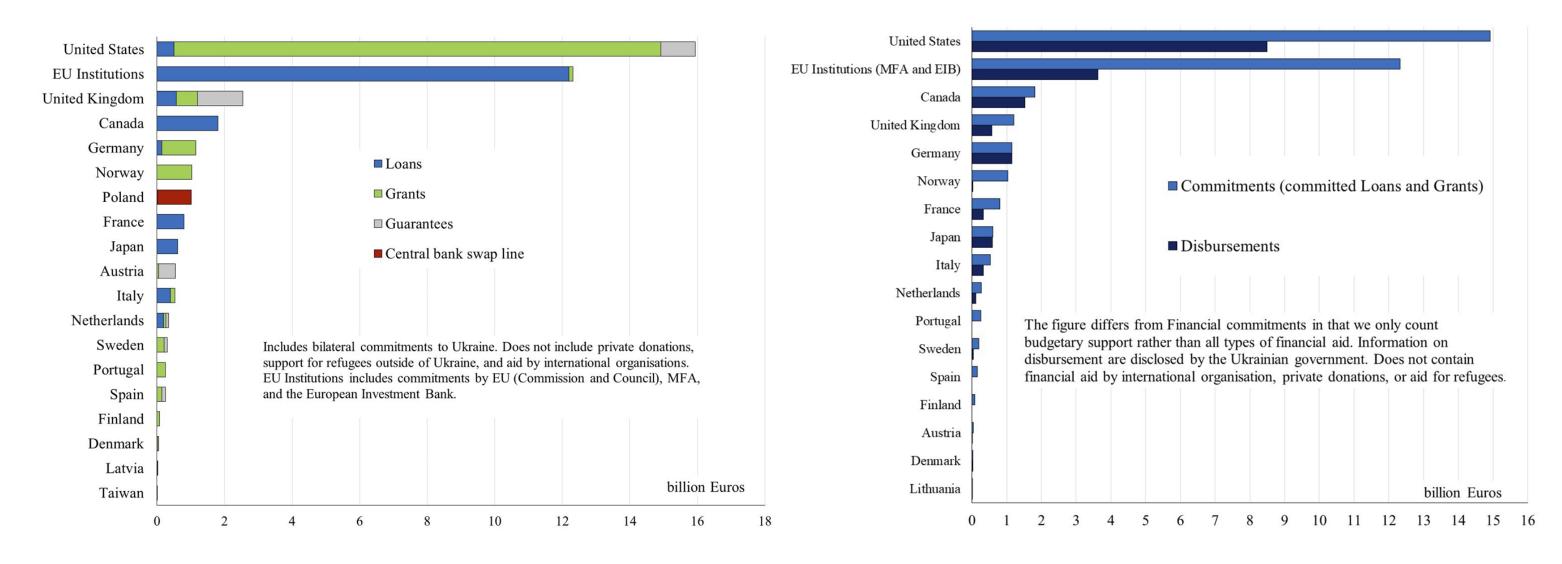
Help exports ("grain deal"), restrict imports, maintain capital controls, standstill on public debt payments Ο

(Future) Managed float for the exchange rate to allow market forces to make the adjustment Ο

SOLUTION: ECONOMIC AID TO UKRAINE

Composition of aid

Commitments vs. Disbursements

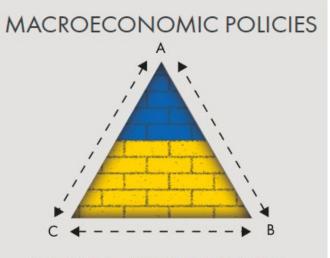


CONCLUDING REMARKS

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- Marathon of this potential war of attrition means tough decisions and many sacrifices Ο
 - Prudence and caution in public finances
 - Durable nominal anchor
 - Resilient financial system
 - Careful management of external balances
 - Flexible and efficient allocation of scarce resources



FOR WARTIME UKRAINE

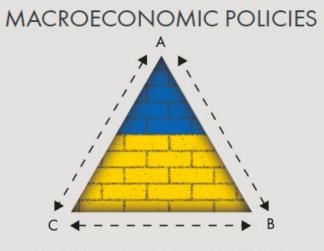




Torbjörn Becker Barry Eichengreen Yuriy Gorodnichenko raei Guriev mon Johnson vmofiv Mylovanov aurice Obstfeld Kenneth Roaoff Seatrice Weder di Mauro

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 - Prudence and caution in public finances
 - Durable nominal anchor
 - Resilient financial system
 - Careful management of external balances
 - Flexible and efficient allocation of scarce resources
- The Russian invasion is a massive threat to global security. Ο
 - Ukraine's very survival—and Europe's future—is at stake.
 - Need extraordinary support from Ukraine's international partners.
 - Economic and military aid to Ukraine is the best investment in peace.



FOR WARTIME UKRAINE





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